

COMPOSITIONS AND METHODS FOR INHIBITION OF HIV-1 INFECTION

Abstract of the Disclosure

5 This invention provides a composition which comprises an
admixture of two compounds, wherein one compound retards
attachment of HIV-1 to a CD4+ cell by retarding binding of
HIV-1 gp120 envelope glycoprotein to CD4 on the surface of
the CD4+ cell and the other compound retards gp41 from
adopting a conformation capable of mediating fusion of HIV-1
10 to a CD4+ cell by binding noncovalently to an epitope on a
gp41 fusion intermediate, wherein the relative mass ratio of
the compounds in the admixture ranges from about 100:1 to
about 1:100, the composition being effective to inhibit HIV-
1 infection of the CD4+ cell. This invention also provides
15 a method of inhibiting HIV-1 infection of a CD4+ cell which
comprises contacting the CD4+ cell with an amount of the
above composition effective to inhibit HIV-1 infection of
the CD4+ cell so as to thereby inhibit HIV-1 infection of
the CD4+ cell.

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